

CLAIMS

1. A communication terminal for video conferencing with  
2 remote participants, comprising:

3 a receiver receiving audio and video signals from a plurality of said  
4 remote participants;  
5 a comparator comparing said received audio signals from said  
6 remote participants;  
7 a display; and  
8 a controller controlling said display to display a video image  
9 extracted from said video signals based on the comparison of  
10 said received audio signals.

11 2. The communication terminal of claim 1, wherein said  
12 comparator selects an active participant from said remote participants.

13 3. The communication terminal of claim 2, wherein said  
14 comparator selects as said active participant said remote participant from  
15 which the strongest audio signal is received.

16 4. The communication terminal of claim 1, wherein said  
17 comparator compares said audio signals over a selected period of time.

5. The communication terminal of claim 1, wherein said  
2 controller controls said display to freeze all but one extracted video image  
of one remote participant based on said comparison of said received audio  
4 signals from said remote participants by said comparator.

6. The communication terminal of claim 1, wherein said  
2 controller controls said display to highlight one extracted video image of  
one remote participant based on said comparison of said received audio  
4 signals from said remote participants by said comparator.

7. The communication terminal of claim 6, wherein said  
2 controller controls said display to highlight said one video image by  
displaying said one video image in an area larger than the area in which  
4 each other video image is displayed.

8. The communication terminal of claim 7, wherein said  
2 controller controls said display to display only said one video image.

9. The communication terminal of claim 7, wherein said  
2 controller controls said display to display video images other than said one  
video image in areas smaller than the area in which said one video image  
4 is displayed.

10. The communication terminal of claim 6, wherein said  
2 controller controls said display to highlight said one video image by  
displaying a distinctive border around said one video image.

11. The communication terminal of claim 6, wherein said  
2 controller controls said display to highlight said one video signal by  
displaying alphanumeric identification regarding said one remote  
4 participant.

12. The communication terminal of claim 6, wherein said  
2 controller controls said display to highlight said one video image by  
displaying video images other than said one video image using a color  
4 scheme different than the color scheme used to display said one video  
image.

13. The communication terminal of claim 1, wherein:  
2 said receiver receives a video data signal; and  
4 said controller controls said display to highlight one video image and  
a video data image extracted from said video data signal  
based on said comparison of said received audio signals from  
6 said remote participants by said comparator.

14. The communication terminal of claim 13, wherein said  
2 controller controls said display to highlight said video data image and said  
video image associated with the strongest received audio signal.

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4           15. A mobile terminal for video conferencing with remote  
participants, comprising:  
6           a wireless receiver receiving audio and video signals from a plurality  
              of said remote participants;  
8           a comparator comparing said received audio signals from said  
              remote participants;  
10          a display; and  
12          a controller controlling said display to display video images  
              extracted from said video signals based on the comparison of  
              said received audio signals.

16. The mobile terminal of claim 15, wherein said  
2        comparator selects an active participant from said remote participants.

17. The mobile terminal of claim 16, wherein said  
2        comparator selects as said active participant said remote participant from  
              which the strongest audio signal is received.

18. The mobile terminal of claim 15, wherein said  
2        comparator compares said audio signals over a selected period of time.

19. The mobile terminal of claim 15, wherein said controller  
2        controls said display to freeze all but one extracted video image of one  
              remote participant based on said comparison of said received audio signals  
4        from said remote participants by said comparator.

20. The mobile terminal of claim 15, wherein said controller  
2 controls said display to highlight one video image of one remote participant  
4 based on said comparison of said received audio signals from said remote  
participants by said comparator.

21. The mobile terminal of claim 20, wherein said controller  
2 controls said display to highlight said one video image by displaying said  
4 one video image in an area larger than the area in which each other video  
image is displayed.

22. The mobile terminal of claim 21, wherein said controller  
2 controls said display to display only said one video image.

23. The mobile terminal of claim 21, wherein said controller  
2 controls said display to display video images other than said one video  
4 image in areas smaller than the area in which said one video image is  
displayed.

24. The mobile terminal of claim 20, wherein said controller  
2 controls said display to highlight said one video image by displaying a  
4 distinctive border around said one video image.

25. The mobile terminal of claim 20, wherein said controller  
2 controls said display to highlight said one video signal by displaying  
4 alphanumeric identification regarding said one remote participant.

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4                   26. The mobile terminal of claim 20, wherein said controller  
controls said display to highlight said one video image by displaying video  
6 images other than said one video image using a color scheme different  
than the color scheme used to display said one video image.

2                   27. The mobile terminal of claim 15, wherein:  
2                   said receiver receives a video data signal; and  
4                   said controller controls said display to highlight one video image and  
4                   a video data image extracted from said video data signal  
6                   based on said comparison of said received audio signals from  
6                   said remote participants by said comparator.

2                   28. The mobile terminal of claim 27, wherein said controller  
2                   controls said display to highlight said video data image and said video  
image associated with the strongest received audio signal.

29. A mobile terminal for video conferencing with remote  
2 participants, comprising:  
4 a wireless receiver receiving audio and video signals from a plurality  
4 of said remote participants;  
6 a display having a height greater than its width, said display  
6 operating in a portrait mode in a default condition; and  
8 a controller controlling said display to display video images  
8 extracted from said video signals in a landscape mode when  
10 said wireless receiver receives said video signals from a  
10 plurality of said remote participants.

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30. A communication terminal for video conferencing with  
2 remote participants, comprising:

4 a receiver receiving audio and video signals from a plurality of said  
remote participants;

6 a processor identifying said received audio signals and associating  
each of said identified audio signals with said video signal  
received from the same remote participant;

8 a video display;

10 a controller controlling said display to display video images  
extracted from said video signals from at least two of said  
remote participants, one of said video images being displayed  
on the right side of said display and another of said video  
images being displayed on the left side of said display; and

12 an audio output sending said audio signal associated with said one  
video signal to a right speaker and sending said audio signal  
associated with said other video signal to a left speaker.

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31. A method of displaying video images on a display of a  
2 mobile terminal video conferencing with at least two other participants,  
comprising:

4 receiving at the mobile terminal a video signal containing a video  
image and an audio signal from each participant;

6 comparing the audio signals received from said participants;

8 displaying the video images on the mobile terminal display based on  
the comparison of the audio signals.

32. The method of claim 31, wherein comparing the audio  
2 signals received from said participants determines an active participant.

33. The method of claim 32, wherein said active participant  
2 is said participant from whom the strongest audio signal is received.

34. The method of claim 31, wherein said comparing the  
2 audio signals received from said participants compares said audio signals  
over a selected period of time.

35. The method of claim 31, wherein said displaying the  
2 video image on the mobile terminal display based on the comparison of the  
audio signals comprises highlighting one video image.

36. The method of claim 35, wherein said highlighting one  
2 video image comprises displaying said one video image in an area larger  
than the area in which each other video image is displayed.

37. The method of claim 36, wherein only said one video  
2 image is displayed.

38. The method of claim 36, wherein said other video  
2 images are displayed in areas smaller than the area in which the one video  
image is displayed.

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39. The method of claim 35, wherein said highlighting one  
2 video image comprises displaying a distinctive border around said one  
video image.

40. The method of claim 35, wherein said highlighting one  
2 video image comprises displaying alphanumeric identification regarding  
said one video signal.

41. The method of claim 35, wherein said highlighting one  
2 video image comprises freezing all but said one video image on said  
display.

42. The method of claim 35, wherein said highlighting one  
2 video image comprises displaying video images other than said one video  
image using colors different than colors used to display said one video  
4 image.

43. The method of claim 31, further comprising:  
2 receiving a video data signal at said receiver; and  
wherein said displaying the video signal on the mobile terminal  
4 display based on the comparison of the audio signals  
comprises highlighting one video image and a video data  
6 image extracted from said video data signal.

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44. The method of claim 43, wherein said highlighting one  
2 video image and said video data image comprises highlighting said video  
image associated with the strongest received audio signal.

45. A method of displaying video images on a display of a  
2 mobile terminal, comprising:

4 displaying information on the mobile terminal display in a portrait  
mode;  
6 receiving a video signal containing a video image at the mobile  
terminal from a remote participant;  
8 displaying video images on the mobile terminal display in a  
landscape mode when more than one video image is  
displayed.

46. A method of outputting audio and video signals on a  
2 mobile terminal video conferencing with at least two other participants,  
comprising:  
4 receiving at the mobile terminal an audio signal and a video signal  
containing a video image from each participant;  
6 processing said audio signal from each participant to associate each  
of said received audio signals with said video signal received  
8 from the same remote participant;  
displaying the video images on a mobile terminal display with one  
10 video image displayed on the right side of said display and  
another video image displayed on the left side of said display;  
12 outputting said audio signal associated with said one video signal to  
a right speaker; and  
14 outputting said audio signal associated with said other video signal  
to a left speaker.